## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE    |
|---------------------------|----------|--------|---------|
| FEE DETERMINATION         | Pof      | 7038   |         |
| O.I.P.E. CLASSIFIER       | ~ '      | 8      | 4-600   |
| FORMALITY REVIEW          | DB       | 65373  | 6-12-00 |
| RESPONSE FORMALITY REVIEW |          |        |         |
|                           |          |        | - 14/10 |

## INDEX OF CLAIMS

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
|   | (Through numeral) Canceled | Α   | Appeal       |
|   | Restricted                 | 0   | Objected     |

| <u></u>  |          | _        |             | -       |             |                 | _         | _        |          |         |              | _  | $\neg$       | [-         | No:      |            |  |              |              |                 | Date         | _  |              |             |          | 7          | Γ   | Cla      | im         |              |          |  |  | Date         | Δ.               |               |                | _        |              |
|----------|----------|----------|-------------|---------|-------------|-----------------|-----------|----------|----------|---------|--------------|--|--------------|------------|----------|------------|--|--------------|--------------|-----------------|--------------|--|--------------|-------------|----------|------------|-----|----------|------------|--------------|----------|--|--|--------------|------------------|---------------|----------------|----------|--------------|
| CI       | air      | _        | _           | ~       |             |                 | Da        |          | _        | _       | _            | $\overline{}$                                    | $\dashv$     | 10         | Clai     | _          | υų   | - 1          | 1            | $\neg$          | Uall         | -1   |              | -           | -,       | $\dashv$   | ŀ   | UIA<br>T | _          | _            | 7        |  | T  | 201          | _                | _             |                | -        | Γ.           |
| 1        | 1        | اچ       | 4           | ج       | Ų           | Ħ               | 05/3/0    | 1        |          | -       |              | ļ  |              |            |          | ᇹ          | ᇄ  | ļ            | 31           | '               | - 1          |  | -            | -           | -        |            | ļ   | _        | B          | 1            |          | Į  | - 1  |              |                  |               | ,              |          |              |
| , E      | 1        | Original | 6           | 29      | LINE OF THE | <u>}</u>        | بليل      |          |          |         | -1           | - 1  |              | - 13       | E E      | Original   | 13   | .            | 21           | '               |              | -  |              |             |          |            |     | Final    | Original   |              | 1        | ļ  | ļ  |              |                  |               |                |          |              |
| 1        |          | $\sim$ 1 | 1.          | 0       | Т.          |                 | _         | 1.       | $\perp$  | $\perp$ | $\perp$      |  | ┙            | -          | I.       | ٥ļ         |  |              | δı           | $\Box$          | _            | _  | _            | 4           | _        | _          | ,   |          |            | +            | -        |  | _  | _            |                  | <u> </u>      |                | -        | <u> </u>     |
| Γ'       | 7        | N        | <u>''</u>   | V       | 1           | 丁               | 7=        |          | I        | Ι       | ⅃            | J  |              |            |          | 51         | 0  | $_{\perp}$   | Ξ            |                 |              | $\perp$  |              | $\perp$     | _ .      |            |     |          | 101        | _            | _        | _  | _  |              |                  | _             | _              | _        | <u>_</u>     |
|          | 7        | đ        | 1           | 1       | 1           | 7               | 1-        | 1        | T        | Τ       | 7            | T  |              | 20         |          |            | ~  |              | 1            | •               | _[           | $\Box$   | [            |             | _[       |            | l   |          | 102        |              |          | _  |  |              |                  |               | _              | L        | L            |
| 2        | ,†       | 3        | 1           | Ħ       | 1           | 1               | =         |          | $\top$   | T       | 寸            | ╛  | $\neg$       | 3          | 3 (      | 33         | =  |              | Ξ            |                 | T            | T  |              | T           | Т        |            | - [ |          | 103        |              |          |  |  |              | _ ]              | _             | L              | L        | L            |
| Ī        |          | ā        | H           | H       | c           |                 | =         | -        | +        | +       | -†           | -  | $\dashv$     | Í          | _        | 54         | 4  | $\neg$       | <            |                 | _            | 1  | 7            |             | 7        | $\neg$     | 1   | -        | 104        |              |          |  |  |              |                  |               |                |          |              |
| 5        |          | 5        | $\vdash$    | tt      | 10          | 1               | =         | -+       | +-       | $^{+}$  | 十            | -†   | $\dashv$     | 7          | 6        | 55         | 71   |              | =            | $\Box$          |              |  |              | 7           |          |            | ļ   |          | 105        | 7            | _        |  | $\neg$   |              |                  |               |                |          |              |
| 3        | +        | 6        | H           | tt      | ī           |                 | 1=        | -        | +        | +       | $\dashv$     | -†   | 뒴            | 1          |          | 56         | 7  |              | =            | $\dashv$        | _            |  | $\neg$       | _           | $\dashv$ | $\neg$     |     |          | 106        | 7            | 1        | _  | コ  |              |                  |               | Γ              | Γ        | Г            |
| 19       | Ť        | ġ        | Н           | H       | o           | ;+-             | =         | -+-      | +-       | +       | 十            | -  | ᅱ            | 3          | 쉬        | 57         | +  | -            | =            | Н               |              | 7  | ╛            | 7           |          | $\neg$     | - 1 |          | 107        | ╛            | _        | _  | T  | _            |                  |               | -              | <u> </u> |              |
| 123      |          | ۳        | Н           | H       | C           | <del>,</del> +  |           |          | +        | +       |              | $\dashv$   | $\dashv$     | 3          | äl       | 58         | 4  | -            | =            | $\vdash$        | $\dashv$     | -1   | _            | $\dashv$    | $\dashv$ | -          | 1   | _        | 108        | _            | 1        |  | 一  | _            |                  |               | _              | Г        | 1            |
| 4        |          | 9        | Н           | #       | 1           | +               | =         | +        | +-       | +       | -+           | +  | -            | 1          | 4        | 59         | +  | $\vdash$     | Ξ            | -               | ᅥ            | +  |              | +           | +        | $\dashv$   |     |          | 109        | +            | 7        | $\dashv$   |  | -            | _                | †             | -              | 1        | 1            |
| 14       | +        |          | Н           | ₩       |             |                 |           |          | +        | +       | +            | +  | $\dashv$     |            | 7        | 60         | +  | $\vdash$     | =            | -               | $\dashv$     | -+   | -            | ┪           |          |            |     |          | 110        | _            | -        | _  | $\neg$   |              | -                | -             | _              | ╁        | T            |
| 6        |          | 10<br>11 | H           | #       | 1           | _               | ┦⋾        |          | +        | +       | +            | $\dashv$   | $\dashv$     | 4          |          | 61         | ++   | $\vdash$     | A            | $\vdash$        | $\dashv$     | +  |              | -           | -        |            |     |          | 111        | +            | -        | -  | $\dashv$   | -            |                  | H             | +              | t        | +            |
| 7        | _        |          | H           | #       |             | 4               | =         | _        | +        | +       | $\dashv$     | $\dashv$   |              | 1          | -        | 62         | Ш  | $\vdash$     | ٨            | $\vdash$        |              | $\dashv$   |              | -           | $\dashv$ | ႕          |     | -        | 112        | $\dashv$     |          |  |  | $\dashv$     |                  | -             | -              | -        | +-           |
| 8        | _1.      | 12       | 1           | #       | 1           |                 | - =       | _        | +        | +       | -            | $\dashv$   | -1           |            | =        | 63         | 4  | $\vdash$     | V            | $\vdash \vdash$ | -            |  | -            | $\dashv$    | -+       |            |     |          | 113        | -+           | -        | -  | -  | -            | $\vdash$         |               | ╁              | ╁        | +            |
| 21       | ľ        | g        | 4           | 11      | 0           |                 | <u> =</u> |          | 4        | 4       | -+           | $\dashv$   | ᅴ            |            |          |            | ₹  | $\vdash$     |              |                 | $\dashv$     | $\dashv$   |              | -           | 4        |            |     | -        | -          | +            | -        |  |  | _            | -                | -             | -              | +        | +            |
| -        |          | <u> </u> | 11          | Ц       | C           |                 | =         | -        | 4        | 4       | $\dashv$     | _  | ᅴ            | 4          | -        | 64         |  | -            | -            | $\vdash$        |              | -  | 4            |             | -        | $\dashv$   |     |          | 114<br>115 | -            |          |  |  |              | -                | ┼             | <del> </del> − | ├-       | +            |
| 2        |          | <u> </u> | Ш           | Ц       | C           |                 | =         |          | ᆚ        | 1       | $\dashv$     | _  | _            | L          | _        | 65         | <u></u>  | Ш            | _            |                 | _            | -  | _            | _           | -        | 4          |     |          | -          | $\dashv$     |          | $\dashv$   |  |              |                  | -             | -              | ├        | -            |
| 9        |          | 16       | Ц.          | Ц       | I           | 1               | J≡        | Ł        | $\perp$  | $\perp$ | $\perp$      | ┙  | ┙            | L          |          | <b>6</b> 6 | 1  | Ш            | L            | $\sqcup$        | $\Box$       |  |              |             | _        | $\square$  |     | _        | 116        | _            | _        |  | _  | _            | <u> </u>         | 1             | ـ              | -        | +            |
| K        |          | 17       | $\prod$     | Г       | $\coprod$   | L               | =         |          | 1        | ⊥       | $\perp$      | $\perp$  | ╝            | L          |          | 67         |  | $\square$    | $oxed{oxed}$ | $\sqcup$        | $\Box$       | _  | ᆜ            |             | _        | Ш          |     | _        | 117        | _            | _        | _  | _  | Щ            | <u> </u>         | <del> -</del> | -              | 1        | 1            |
| 0        | I        | 18       | $\prod$     | Γ       | $\prod$     | $\coprod$       | _=        | $\perp$  | $\perp$  | $\int$  | $\Box$       |  |              | L          | _        | 68         | لنا  | L            | L            |                 |              | _  |              | _           | _        | Щ          |     |          | 118        | _            | _        | _  | _  | <u> </u>     | <b> </b> _       | -             | -              | 1        | 4            |
| t        |          | 19       | П           | Τ       | Ш           | П               | 7=        | = [      | Т        | T       | 7            | $\neg$   |              | ۱ ۲        | _[       | 69         |  | L            | L            |                 |              |  |              |             |          |            |     | _        | 119        |              |          |  |  | <u>_</u>     |                  | <u> </u>      | 1_             | 1        | 1            |
| 1        |          | 20       | Π           | 1       | Ш           | П               | 7=        | -        | $\top$   | T       | $\neg$       | $\neg$   | $\neg$       |            |          | 70         |  |              | "            |                 |              |  |              |             |          |            |     |          | 120        |              |          | 1  |  |              |                  |               |                | L        | 1.           |
|          | 4        | 21       | H           | +-      | Н           | ┼┼╴             | =         | -        | +        | +       | 一            | -  |              | ' h        | $\dashv$ | 71         | 1  | $\vdash$     | -            |                 | П            | $\neg$   |              |             | $\dashv$ |            |     |          | 121        | $\neg$       |          |  | Г  |              | 1                | Г             | Г              | Т        | T            |
| 1.5      | 4        | 22       | H           | ╁       | ₩           | <del>   -</del> | +:        |          | 十        | +       |              | $\dashv$   | $\dashv$     | ¦          | $\dashv$ | 72         | T  | 1            | 1            | $\Box$          | $\vdash$     |  |              | $\dashv$    | $\neg$   | М          | Ì   | Ι        | 122        | _            | $\neg$   |  |  |              | Г                | 1             | Т              | Τ        | Τ            |
| 100      | 4        | 23       | ₩           | +       | Н           | ┞╌┼╌            |           | _        | +        | +       | $\dashv$     | -  |              | \ <b>\</b> | $\dashv$ | 73         | -  | ╁            | -            | 1               |              | $\vdash$   |              |             | $\dashv$ |            | ì   | $\vdash$ | 123        | -            |          |  | _  | -            |                  | T             | Τ              | T        | +            |
|          | 4        | 24       | 11          | +       | ₩           | ╁               | - =       |          | +        | +       |              |  |              | 1 -        | $\dashv$ | 74         | <del>                                     </del> | +            | +-           | -               | -            | H  |              |             | Н        | Н          |     | $\vdash$ | 124        | -            | -        |  | $\vdash$   | -            | 1                | +-            | 1-             | +        | T            |
| Ψ        |          |          | 11          | ╀       | ₩           | ₩               | ┵         | -        | +        | +       | $\dashv$     | щ  | -            | -          | $\dashv$ | 75         | <del> </del>                                     | ┼            | 1-           | $\vdash$        | -            | $\vdash$   | -            |             | Н        | -          |     |          | 125        | -            | /        |  |  | $\vdash$     | 1-               | +             | +-             | +        | +            |
| t        | K,       | 25       | Ш           | +       | Н.          | ₩               | -         | 4        | +        | 4       | -            |  | $\dashv$     | ۱ ۱        |          | _          | 1  | <del> </del> | -            | 1               | <del> </del> | Н  |              | $\vdash$    | -        | -          |     | -        | 126        | 1            | -        | -  | <del> </del>                                     | -            | <del> </del>   - | 1-            | ╁              | ╁        | +            |
| _        | 7        | 25<br>26 | N           | 4       | $\mu$       | 11              | 4         | $\perp$  | 4        | 4       | _            | $\square$  | _            | 1 }        | 4        | 76         | -  | ├            | -            | +-              | <del> </del> | $\vdash$   |              | $\vdash$    | $\vdash$ | H          |     | $\vdash$ |            | $\leftarrow$ |          | -  | <del>                                     </del> | -            | 1                | +             | ╁              | ╁        | ╁            |
|          | <u> </u> | 2/       | Ш           | Ц       | Щ           | Ш               | 7         | ᆂ        | $\perp$  | 4       | _            |  | Щ            |            |          | 77         | ₩  | 1-           | ├-           |                 | -            | -  |              | -           | -        |            | 1   |          | 127        |              |          |  | -  | -            | <del> </del>     | +-            | +              | +        | +            |
| 13       |          | 28       | Ш           |         | Ш           | 1,1             |           | =        | $\perp$  | 4       | _            | Ш  | $\Box$       |            | _        | 78         |  | ↓            | 1            | ـ               | <u> </u>     |  |              | <u> </u>    | _        | <u> </u>   | 1   | <b>-</b> | /28        | $\vdash$     | ļ        | -  | <del> </del> —                                   | -            | ╀                |               | ╁              | +        |              |
| 2        | 7        | 29       |             |         |             | V               |           |          |          | ┙       |              |  |              |            | _        | 79         | <u>_</u>   | <u></u>      | L            | $\vdash$        | _            |  | L_           | _           |          | _          | ١.  | V        | 129        | _            |          |  | <b>!</b> —                                       | <del> </del> | 1                | -             | ↓_             | -        | +            |
| 2        | اه       | 30       | П           | K       |             | V               | =         | = [      | I        | J       |              |  | آيا          | [          |          | 80         | L  | L            | L            | $\perp$         | _            |  | _            |             | _        | _          | 1   | 1_       | 130        | Ш            | L.       | $\vdash$   | <u> </u>   | ⊢            | 1_               | 1             | 1-             | 1        | 4            |
| Γ        | 4        | 4        | 1           | 1       | 1           | T               | -         | -T       | T        | ╗       |              |  |              | [          |          | 81         | Ĺ  | L            |              | L               |              | L  | _            |             | _        | L_         | !/  | _        | 131        |              |          | _  | _  | <u> </u>     | _                | 1_            | 1_             | 1        | L            |
| r        | 7        | đ        | 1           | 7       |             | $\neg$          | 1         | 1        | $\top$   | 7       |              |  |              | 1 [        |          | 82         |  | Γ            |              |                 |              |  |              | L           | Ĺ        | ĹŽ         | 1   | L        | 132        |              | _        | _  |  |              | 1                | _             | 1              | 1_       | L            |
| $\vdash$ | ┪        |          | ,           | +       | H           | _               | 71        | $\sqcap$ | 十        | _       |              |  |              | 1          |          | 83         | Т  | Т            | Γ            | Т               |              |  | [ <u> </u>   |             |          | Z          |     | L        | 133        |              |          |  |  | L            | Ĺ                |               |                |          |              |
| +        | $\dashv$ | 3        | Н           | +       | 1†          | $\dashv$        | -         | 1        | $\dashv$ | 7       |              | 1  | T            | 1 1        |          | 84         | Τ  | Т            |              | 1               | Γ            |  |              | Ī           | 7        | <b>7</b> - |     | Γ        | 134        |              |          |  |  |              |                  |               | 1              | 1        | Ţ            |
| -        | ᅱ        | 3        | Н           | +       | H           | +               | ┰         | H        | ┰        | ┪       | -            | <del>                                     </del> | $\vdash$     | 1 1        | _        | 85         |  | 1            | T            | 1-              | 1            |  | Γ            | $\vdash$    | 17       | Ι          | 1   |          | 135        |              | <u> </u> | 1  |  | Γ            | 1                |               | T              | Ī        | T            |
| $\vdash$ | $\dashv$ | 3        | #           | +       | H           | +               | +         | #        | +        | ┥       | -            | <del> </del>                                     | $\vdash$     | 1 1        | _        | 86         |  | +-           | Т            | T               | 1            | 1  | 1            |             | 7-       | 1          | 1   |          | 13€        |              |          |  | Π  | Г            | Τ                | 1             | T              | Т        | T            |
| μ.       | $\dashv$ | 3        |             | +       | 14          | +               | +         | ₩        | +        | -       | -            | $\vdash$   | -            | 1 }        | _        | 87         |  | +            | +            | +               | 1            | <del>                                     </del> | <del> </del> | 17          | $\vdash$ | 1          | 1   |          | 137        |              | _        | <del>                                     </del> | 1  | 1            | 1                | 1             | _              | +        | T            |
| $\vdash$ | -        | 38       |             | +       | $\vdash$    | +               | +         | ₩        | +        | -       | -            | ╁  | -            | <b>∤</b> ∤ | _        | 88         |  | +            | +-           | +-              | +-           | +-   | -            | ₩-          | +        | +          | 1   | -        | 138        |              | -        | 1  | <del> </del>                                     | $\vdash$     | 1                | +             | +              | +        | $^{\dagger}$ |
| -        |          | _        | ш           | 4       | $\vdash$    | +               | +         | ₩        | $\dashv$ | -       | <u> </u>     | $\vdash$   | -            | 1 1        |          | 89         |  | +            | +-           | +               | +            | +-   | ۲,           | <del></del> | ├-       | +          | ١.  | -        | 139        |              | -        | +-   | +-   | +            | +-               | +             | ╁              | +        | +            |
| L        | _        | 35       |             | 4       | H           |                 | +         | #        | +        | 4       | ⊢            | -  | <del> </del> | 1 1        | _        | _          | -  | +            | +-           | +-              |              | +  | 1            | +           | ┼        | +          | 1   | -        | 140        | +            | $\vdash$ | <del> </del> —                                   | 1-   | ╁            | +-               | +-            | +              | +        | +            |
| 1        |          | 40       | Ш           | 1       | Ц           | _               | $\perp$   | 4        | 4        | _       | <u> </u>     | <del> </del>                                     | <u> </u>     | 1          |          | 90         |  | $\perp$      | +            | ╀               | ↓_           |  | ٧            | 1           | -        | ┼          | ١.  | -        |            |              | ⊢        | ├-   |  | ╁            | +-               | +-            | +-             | +        | +            |
| ſ        |          | 4        | ΙII         |         | ١ſ          |                 | $\Box$    | П        |          | _       | L            | L.   | L            | ] [        | L        | 91         |  | L            | L            | 1_              | _            | 14   | 1_           | _           | 1        | 1          | 1   | L        | 14         | _            | <u> </u> | 1_   | <del> </del>                                     | 1            | 1                | 4-            | 4              | 4        | 4            |
| ٦        |          | 4        | Ш           | T       | П           |                 | $\top$    | П        | $\neg$   | $\neg$  | Г            |  |              | ]          |          | 92         | Ľ  | Ľ            |              | $\perp$         |              | V  |              |             | 1        | _          | 1   | L        | 142        |              | <u> </u> | 1_   | 1  | 1            | 1_               | $\perp$       | 1              | 1        | 4            |
|          |          | 4        | 텎           | 1       | П           | 7               | _         | T        | 寸        |         | Г            | Г  | Γ            | 1          |          | 93         | 3  | Γ            | Γ            | Γ               |              | X  | _            | <u> </u>    | L        |            |     | L        | 14:        | 1_           | _        | _  | L  | L            | 1_               | $\perp$       | $\perp$        | 1        | _            |
| ۲        | _        | 1        | 4           | +       | ††          | $\dashv$        | $\dashv$  | #        | _        |         | $\Box$       | $\top$   | T            | 1 1        | Г        | 94         | 1  | 1            | Т            | Т               | 17           |  |              | Г           | Г        |            | 1   |          | 14         | 4            |          | 1  |  | Ĺ.           |                  | $\perp$       | ⊥`             | _[       |              |
| H        | _        | 12       | H           | +       | ++          | +               | +         | ††       | +        | -       | +            | +  | 1            | 1 1        | ۲        | 95         |  | +            | +            | $\top$          | 1            | T  | 1-           | 1           | T        | 1          | 1   |          | 14         | 5            | T        | 1  | 1  | 1            | 1.               | $\top$        | 1.             | T        | T            |
| ŀ        |          | 1        |             | -+      | 1           | -               | +         | Ħ        | 十        |         | <del> </del> | ✝  | +            | 1 1        | -        | 96         | _  | +            | $\dagger$    | $\top$          | +-           | 1-   | 1            | 1           | 1        | ✝          | 1   |          | 14         | 3            | 1        | 1  | Τ  | 1            | 1                | Т             | Т              | Τ        | Т            |
| -        |          | Н        | a<br>5<br>7 | 7       | Ų,          | $\dashv$        | 4         | ₩        | +        | _       | +            | +-   | +            | 1          | -        | 97         | _  | +            | $^{+}$       | +-              | +            | +-   | 1            | +-          | †        | +-         | 1   | $\vdash$ | 14         |              | 1        | 1-   | +  | 1            | 1                | 1             | 1              | 1        | T            |
| 4        |          |          | #           | -       | N           | _               | -         | 귀        | -        |         | +            | +  | +-           | -{         | ⊢        | 98         |  | +-           | +            | +               | ╁            | +-   | t            | +           | +        | +-         | 1   | $\vdash$ | 14         | 4-           | +-       | +-   | +  | +            | +                | +             | +              | +        | $^{\dagger}$ |
|          | 4        | 4        |             | 4       | -1          | 8               |           | =        | -        | _       | ┼            | +-   | ┼            |            | $\vdash$ | 99         |  | +            | +            | +-              | +-           | +  | +            | +           | +-       | +-         | ┨   | -        | 14         |              | +-       | +-   | +  | +            |                  | +             | +              | +        | +            |
| Ė        | 30       | 4        | 9           | $\perp$ | _           | 의               | ٦.        | -1       | _        |         | $\perp$      | 1_   | 4_           | 1          | <u></u>  | 13.        | <u>-1-</u>                                       | +            | - -          | 4_              | -            | 4-   | 4            | +-          | -        | +          | -   | -        | 14         |              | +-       |  | -  | 4-           | - -              | +             |                |          | -+-          |

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)